

SWOTPA RULES - 2008 TO 2010

Four Wheel Drive Super Stock Class

Class Representative:	Dave May
Drawbar Height:	24 inches
Drawbar Length:	34% of the wheelbase
Maximum Weight:	6000 pounds maximum
Prize Money:	\$300 per class (when 2 classes are sanctioned with a minimum of 3 trucks per class)

NOTICE: These rules are intended to effectively be the same as the rules for the 4x4 Super Stock Trucks for Great Lakes Truck and Tractor Pullers Association (GLTPA) and Central Ontario Tractor Pullers Association (COTPA). Any 4x4 Super Stock truck built to meet GLTPA or COTPA rules can be expected to meet these rules, and will be permitted to pull in 4x4 Super Stock at SWOTPA events provided the pulling fee is paid, or the driver buys a membership in SWOTPA, and the vehicle passes SWOTPA technical inspection. Conversely, it is expected that any truck built to these rules, will be able to compete at GLTPA and COTPA events subject to technical inspection by those clubs. This does not guarantee that any particular vehicle will meet the rules or be permitted to compete. It is the sole responsibility of any individual intending to compete a truck in 4x4 Super Stock at any of these events, to ensure that they meet all the requirements of that particular event.

No changes to these rules will be entertained until January 1, 2011, except as follows:

- a) Changes to harmonize with GLTPA or COTPA, provided they do not contravene any safety rules of SWOTPA. (2008 is a rule change year for those clubs as well as SWOTPA. This statement is to allow for changes that the SWOTPA rules have missed, due to different scheduling of rule change meetings at the 3 clubs).
- b) Other new changes by GLTPA and/or COTPA prior to January 1, 2011. Any such changes shall be reviewed and approved by majority vote by SWOTPA Executive and 4x4 Super Stock class members.
- c) Any safety rules deemed necessary by SWOTPA.

*Note: Name of class is changed from Four Wheel Drive Stock to **Four Wheel Drive Super Stock***

- i) All vehicles must meet all applicable "SWOTPA General Rules" in addition to the rules below.
- ii) Total weight of vehicle, "ready to pull", shall not exceed 6000 pounds. "Ready to Pull" means complete with all required safety equipment, fuel for the pull, moveable weights and driver complete with all required safety apparel.
- iii) Only SWOTPA members will collect points.
 1. After market manifolds, carburetors and headers are allowed. Roller camshafts and roller tip rocker arms are allowed.
 2. Must be naturally aspirated with single carburetor (venturi type). No fuel injection. Alcohol is allowed. No pressurized fuel. No diesel engines.
 3. Inside the frame headers, pipes must exit vertical behind the cab. Outside the frame headers can exit straight, behind the cab or turndowns to be directed within two (2) feet of the outside body of the vehicle. Vertical headers must be within 10 degrees of plumb.
 4. Weight boxes or weight bars must be securely fastened. No portion of the weights to extend forward more than 60 inches from the centerline of front wheels.
 5. Lateral bars are only allowed on leaf type suspension. Coil suspension must have coil located over the centerline of axle with radius arms not to exceed 30 inches in length. Frame rails shall be OEM only. No scissor type frames allowed. No tubular frames are allowed (except OEM). All frames shall be automotive style only. All trucks must have a working suspension comprised of factory production style springs.
 6. All suspension spacer blocks must be factory production design located between the axle and the springs and must be a maximum of 8 inches in length.

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7. Hitch to be connected to the frame only, and shall be rigid in all directions. Height is to be a maximum of 24-inches from the top of the hitching device to the ground. Hitch length must be a minimum of 34% of the wheelbase and measured from the centerline of the rear axle to the hook point. Hitch must not exceed 30° angle from horizontal.
8. Engine mounts can be stock type or solid. If stock type mounts are used a 3/8-inch engine chain or plate (min. 2" by 1/4") is required on drivers side only. Chain or plate shall be mounted so as to prevent excessive rotation of engine in the event that a motor mount breaks. The centerline of the 2nd spark plug hole from the front of the engine on the drivers side shall not be located forward of the center line of the front axle.
9. No aluminum blocks or heads (cast iron or steel only).
10. Drop box transfer cases are not allowed. Production type transmission and transfer case only.
11. Tires must be D.O.T. legal and stamped D.O.T. and not cut or shaved in any way. No bar to tractor lug design allowed. Tires must be a maximum of 35 inches in diameter.
12. Limited to 526 CID (cubic inch displacement) engine size.
13. All driveshaft "U" joints must have protective covers made out of 1/4-inch steel or 3/8" aluminum. Covers must completely encircle the U-joint and cover the full length of the joint. Rear driveshaft must have at least one safety loop approximately mid-way between front and rear "U"-joint. Safety loop shall be a minimum a 1" wide and 1/4" thick.
14. Backup lights must be functional and operate as designed by the manufacturer. No manual backup light switch devices are acceptable. Rear killswitch must disable the ignition and electric fuel pumps.
15. Standard transmission must be used in conjunction with a steel bell housing, complete with commercially available or 3/16 inch block plate and 90 thou thick liner recommended. Clutch and flywheel must be SFI approved. All clutches, flywheels, bell housings and engine flex plates must be inspected annually by a licensed tech official.
16. Automatic transmissions must have SFI approved flex plate and use full blankets properly installed from front to back. Blanket shall extend from back of the block to the rear of the planetaries. SFI approved steel or aluminum flexplate cover combined with SFI approved steel or aluminum transmission cover is acceptable in lieu of a blanket.
17. All trucks must have neutral safety switch.
18. Harmonic balancer must be SFI approved or covered with 1/4 inch thick steel or 3/8 inch aluminum shielding covering entire balancer circumference.
19. No engine driven fan blades.
20. Side shields 1/8 inch steel or 3/8 inch aluminum to cover the entire block that the frame doesn't.
21. Must use complete steel body. No fiberglass bodies are allowed. Fiberglass panels eg. doors, fenders, box panels and hoods are allowed.
22. Trucks with lift bodies must have the body in lowered position before vehicle can be moved under it's own power. Lift bodies must have a safety lock to hold up the body.
23. Rear axle shields are mandatory on all Super Stock Trucks. Shields must be at least 0.060 inches thick. Shields must cover minimum diameter of axle end.